

DCH - Recessed Can CFL Conversion Kit

- ▶ **Can't Find an Energy Efficient Solution For Downlights in Your Project?**
 - Incandescent and HID recessed cans have not had compelling retrofit options until recently.
 - Screw-in Self-Ballasted CFLs, the most common "retrofit," can easily revert to incandescent when they burn out.
 - Complete recessed can conversions are too costly and labor intensive to provide a good ROI.
- ▶ **Retrofit with the DCH...**
 - Below ceiling installation reduces labor.
 - Housing fits inside most existing 6" or 8" downlight fixture frames.
 - Horizontal lamp position allows for installation in shallow plenums.
 - Creates a permanent energy efficient system with replaceable CFL lamps.
- ▶ **Don't Gamble With Your Optics...**
 - Optical distribution of light will make or break your lighting retrofit.
 - The DCH's Advanced Reflector design reduces spacing criteria and meets most stringent rebate requirements for watts per square foot.
 - Screw-in Self-Ballasted CFLs leave you wondering about the quality of lighting you'll end up with.
- ▶ **Why P2? Simple, Our Experience.**
 - At P2 we strive to make your life easier. That's why our DCH downlight makes installation a snap by fitting into existing frames, reducing labor and giving your project a stronger ROI.

▶ DCH - Horizontal Lamp CFL Conversion



▶ Application



DCH - 6M - 1L - 32W - UL - AZ

DCH	-	6M	-	1L	-	32W	-	UL	-	AZ	-		-		-		-	
Model		Fixt Size		Lamp Quantity		Lamp Type		Voltage		Reflector Color		Other Options		Other Options		Other Options		Other Options

Fixture Series

DCH = Horizontal CFL
Downlight Conversion

Fixture Size

6S = Fits 5-15/16" to 6-1/8" Opening (1)
6M = Fits 6-1/8" to 6-1/2" Opening (1)
6L = Fits 6-1/2" to 6-7/8" Opening (1,2,3)
8S = Fits 7-15/16" to 8-1/8" Opening
8M = Fits 8-1/8" to 8-3/4" Opening
8L = Fits 8-3/4" to 9-1/8" Opening (2,3)

Lamp Qty

1L = 1 Lamp
2L = 2 Lamp

Lamp Type

26W = 26 Watt CFL (1)
32W = 32 Watt CFL
42W = 42 Watt CFL

Voltage

UL = Universal 120-277

Reflector Color

AZ = Clear Alzak
BBF = Black Baffle
w/ AZ Upper Reflector
WBF = White Baffle
w/ AZ Upper Reflector

Lens & Trim Options

CA = Clear Acrylic Lens
PR = Prismatic Lens
DA = Diffuse Acrylic Lens
FG = Fresnel Glass Lens
WS = White Lens Splay (5)
AS = Clear Alzak Lens Splay (5)
WT = White Flange
TRG = Trim Ring Gasket (Factory Installed)
WD = Wide Flange (2)

Other Options

LF835 = Factory Lamped 3500 Kelvin 80+ CRI
LF841 = Factory Lamped 4100 Kelvin 80+ CRI

Special Order Lamps/Ballasts

NA = Standard Cost Electronic Ballast/Lamp
OS = Osram Sylvania Components
GE = General Electric Components
PH = Philips/Advance Components
ULT = Universal Lighting Tech Ballasts

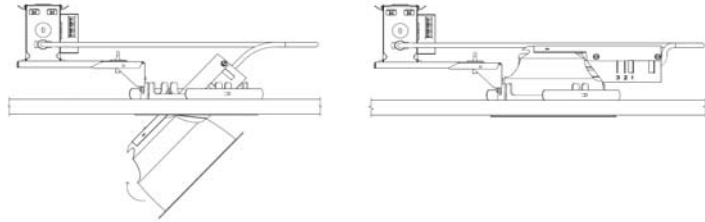
(1) Available in 1 lamp configurations only.
(2) Available for open reflectors only.
(3) Requires WD (Wide Flange)
(4) Specify for lensed trims only.

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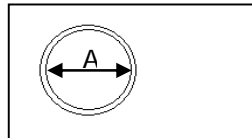
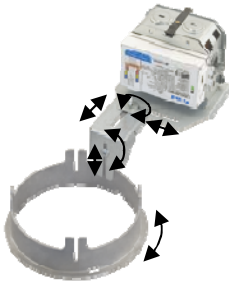
Fixture Construction

- Die cast aluminum or galvaneal steel housing.
- Venting at lamp tip and socket reduces temperature concerns.
- Alzak coated spun aluminum semi-diffuse reflector.
- Pre-wired J-box with snap-on cover for easy access.

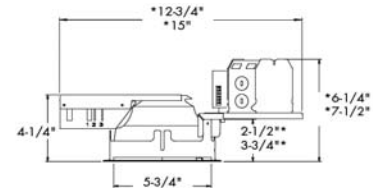
See our installation video at www.P-2.com/DownlightInstallation



5 Axis J-Box Adjustment



A = Measurement
Required for Ordering



6" Fixture Dimensions

Existing Systems

Existing Lamp / Ballast System	Lamp Quantity & Type	Initial System Lumens	Mean System Lumens	S/P (1) Ratio	S/P (2) Adjusted Lumens	Fixture Input Watts	Lumens (3) Per Watt SP Adjusted
Incandescent 100 W	1 100A	1,750	1,698	1.00	1,698	100	17
Incandescent 150 W	1 150A	2,850	2,765	1.00	2,765	150	18
Incandescent 200 W	1 200A	3,980	3,861	1.00	3,861	200	19
HPS-70 Standard	1 HPS70	6,500	5,670	0.62	3,905	91	43
HPS-100 Standard	1 HPS100	9,400	8,460	0.62	5,827	130	45
MH-50 CMH	1 MH-50/4k	3,600	2,450	1.62	3,569	72	50
MH-70 CMH	1 MH-70/C/4k	5,200	3,640	1.62	5,303	90	59
MH-100 CMH	1 MH-100/C/4k	7,500	5,625	1.62	8,195	129	64

Re-Lighting Options

Proposed CFL System	Lamp Qty & Type	Initial System Lumens	Mean System Lumens	S/P (1) Ratio	S/P (2) Adjusted Lumens	Fixture Input Watts	Lumens (3) Per Watt SP Adjusted
CFL-26w EB [GX24q3 Base]	1 CFL-26/841	1,800	1,530	1.62	2,229	29	77
CFL-32w EB [GX24q3 Base]	1 CFL-32/841	2,400	2,040	1.62	2,972	36	83
CFL-42w EB [GX24q4 Base]	1 CFL-42/841	3,200	2,720	1.62	3,963	46	86
CFL-26w EB [GX24q3 Base]	2 CFL-26/841	3,600	3,060	1.62	4,458	54	83
CFL-32w EB [GX24q3 Base]	2 CFL-32/841	4,800	4,080	1.62	5,944	68	87
CFL-42w EB [GX24q4 Base]	2 CFL-42/841	6,400	5,440	1.62	7,925	93	85

Numeric Footnotes

- (1) S/P Ratio = Scotopic to Photopic Lumens
- (2) SP Adjusted Lumens = Mean Lumens x (S/P).78 [.78 exponent]
- (3) Lumens Per Watt = S/P Adjusted Lumens / Fixture Input Watts